Author Index

Agnew, W.S., *see* Stephan, M.M. et al. 1
Armstrong, F., *see* Obermeyer, G., et al. 249
Arnoult, C., Villaz, M.: Differential Developmental Fates of the Two Calcium Currents in Early Embryos of the Ascidian *Ciona intestinalis* 127
Augeron, C., see Merlin, D., et al. 137
Blatt, M.R., *see* Obermeyer, G., et al. 249
Chanturiya, A.N., Nikoloshina, H.V.: Correlations between Changes in Membrane Capacitance Induced by Changes in Ionic Environment and the Conductance of Channels Incorporated into Bilayer Lipid Membranes 71
Collier, R.J., *see* Mindell, J.A. et al. 29
Collier, R.J., *see* Mindell, J.A. et al. 45
Collier, R.J., *see* Silverman, J.A. et al. 17
Dietz, K.-J., Klughammer, B., Lang, B., Thume, M.: Solute Transport Across the Tonoplast of Barley Mesophyll Vacuoles: Mg^{2+} Determines the Specificity, and ATP and Lipophilic Amino Acids the Activity of the Amino Acid Carrier 151
Dubois, J.-M., *see* Gerard, V., et al. 119
Elliott, J.R., *see* Winpenny, J.P., et al. 79
Elzenga, J.T.M., Van Volkenburgh, E.: Characterization of Ion Channels in the Plasma Membrane of Epidermal Cells of Expanding Pea (*Pisum sativum* arg) Leaves 227
Fan, Z., *see* Holevinsky, K.O., et al. 59
Finkelstein, A., *see* Mindell, J.A., et al. 29
Finkelstein, A., *see* Mindell, J.A., et al. 45
Finkelstein, A., *see* Silverman, J.A., et al. 17
Fermin, J., Romero, P.J.: Activation of the Human Red Cell Calcium ATPase by Calcium Pretreatment 271
Frame, M., *see* Holevinsky, K.O., et al. 59
Gérard, V., Rouzaire-DuBois, B., DuBois, J.-M.: Contribution of a H^+ Pump in Determining the Resting Potential of Neuroblastoma Cells 119
Groppi, V., *see* Holevinsky, K.O., et al. 59
Guo, X., *see* Merlin, D., et al. 137
Harper, A.A., *see* Winpenny, J.P., et al. 79
Hill, A.E.: Osmotic Flow in Membrane Pores of Molecular Size 197
Holevinsky K.O., Fan, Z., Frame, M., Makielski J.C., Groppi, V., Nelson, D.J.: ATP-sensitive K^+ Channel Opener Acts as a Potent Cl^- Channel Inhibitor in Vascular Smooth Muscle Cells 59
Hopfer, U., *see* Merlin, D., et al. 137
Howarth, A.G., Singer, K.L., Stevenson, B.R.: Analysis of the Distribution and Phosphorylation State of ZO-1 in MDCK and Nonepithelial Cells 261
Hymel, L.J., *see* Wilson, O.I., et al. 159
Ismail-Beigi, F., *see* Kirtane, N., et al. 9
Ismail-Beigi, N., *see* Kirtane, N., et al. 9
James, A.F., Okada, Y.: Maxi K^+ Channels from the Apical Membranes of Rabbit Oviduct Epithelial Cells 109
Kirtane, A., Ismail-Beigi, N., Ismail-Beigi, F.: Role of Enhanced Na^+ Entry in the Control of Na, K-ATPase Gene Expression by Serum 9
Klughammer, B., *see* Dietz, K.-J., et al. 151
Laboisse, C.L., *see* Merlin, D., et al. 137
Lang, B., *see* Dietz, K.-J., et al. 151
Lemtiri-Chlieh, F., MacRobbie, E.A.C.: Role of Calcium in the Modulation of *Vicia* Guard Cell Potassium Channels by Abscisic Acid: A Patch-Clamp Study 99
MacRobbie, E.A.C., *see* Lemtiri-Chlieh, F. 99
Mahaut-Smith, M.P., *see* Wilson, O.I., et al. 159
Makielski, J.C., *see* Holevinsky, K.O., et al. 59
Marriott, I., *see* Wilson, O.I., et al. 159
Mason, M.J., *see* Wilson, O.I., et al. 159
McGarry, S.J., Williams, A.J., Adenosine Discriminates between the Caffeine and Adenine Nucleotide Sites on the Sheep Cardiac Sarcoplasmic Reticulum Calcium-Release Channel 169
Merlin, D., Augeron, C., Tien, X.-Y., Guo, X., Laboisse, C.L., Hopfer, U.: ATP-stimulated Electrolyte and Mucin Secretion in the Human Intestinal Goblet Cell Line HT29-C1.16E 137
Mindell, J.A., *see* Silverman, J.A., et al. 17
Mindell, J.A., Silverman, J.A., Collier, R.J., Finkelstein, A.: Structure-Function Relationships in Diphtheria Toxin Channels: II. A Residue Responsible for the Channel's Dependence on *Trans* pH 29
Mindell, J.A., Silverman, J.A., Collier, R.J., Finkelstein, A.: Structure-Function Relationships in Diphtheria Toxin Channels: III. Residues which Affect the *Cis* pH Dependence of Channel Conductance 45
Mintenig, G.M., *see* Valverde, M.A., et al. 237
Nelson, D.J., *see* Holevinsky, K.O., et al. 59
Nikoloshina, H.V., *see* Chanturiya, A.N. 71
Obermeyer, G., Armstrong, F., Blatt, M.R.: Selective Block by α-Dendrotoxin of the K^+ Inward Rectifier at the *Vicia* Guard Cell Plasma Membrane 249
Okada, Y., *see* James, A.F. 109
Oortgiesen, M., *see* Verheugen, J.A.H., et al. 205
Potts, J.F., *see* Stephan, M.M., et al. 1
Romero, P.J., *see* Fermin, J. 271
Rouzaire-Dubois, B., *see* Gerard, V., et al. 119
Sepúlveda, F.V., *see* Valverde, M.A., et al. 237
Silverman, J.A., *see* Mindell, J.A., et al. 29
Silverman, J.A., *see* Mindell, J.A., et al. 45
Silverman, J.A., Mindell, J.A., Zhan, H., Finkelstein, A., Collier, R.J.: Structure-Function Relationships in Diphtheria Toxin Channels: I. Determining a Minimal Channel-Forming Domain 17
Singer, K.L., *see* Howarth, A.G., et al. 261
Sitsapesan, R., Williams, A.J.: Regulation of the Gating of the Sheep Cardiac Sarcoplasmic Reticulum Ca^{2+}-Release Channel by Luminal Ca^{2+} 215
Stein, W.D., *see* Zeuthen, T. 179
Stephan, M.M., Potts, J.F., Agnew, W.S.: The μI Skeletal Muscle Sodium Channel: Mutation E403Q Eliminates Sensitivity to Tetrodoxin but not to μ-Conotoxins GIIIA and GIIIB 1
Stevenson, B.R., *see* Howarth, A.G., et al. 261
Thume, M., *see* Dietz, K.-J., et al. 151
Tien, X.-Y., *see* Merlin, D., et al. 137
Ussing, H.H.: Does Active Transport Exist? 91
Valverde, M.A., Mintenig, G.M., Sepúlveda, F.V.: Cl^- Currents of Unstimulated T84 Intestinal Epithelial Cells Studied by Intracellular Recording 237
Van Volkenburgh, E., *see* Elzenga, J.T.M. 227
Verheugen, J.A.H., Oortgiesen, M., Vijverberg, H.P.M.: Veratridine Blocks Voltage-Gated Potassium Current in Human T Lymphocytes and in Mouse Neuroblastoma Cells 205
Vivjverberg, H.P.M., *see* Verheugen, J.A.H., et al. 205
Villaz, M., *see* Arnoult, C. 127
Williams, A.J., *see* McGarry, S.J. 169
Williams, A.J., *see* Sitsapesan, R. 215
Wilson, O.I., Marriott, I., Mahaut-Smith, M.P., Hymel, L.J., Mason, M.J.: Isolation and Characterization of Membrane Potential Changes Associated with Release of Calcium from Intracellular Stores in Rat Thymic Lymphocytes 159
Winpenny, J.P., Elliott, J.R., Harper, A.A.: Some Effects of Short-Chain Phospholipids and *n*-Alkanes on a Transient Potassium Current (I_A) in Identified *Helix* Neurons 79
Zeuthen, T., Stein, W.D.: Cotransport of Salt and Water in Membrane Proteins as Osmotic Engines 179
Zhan, H., *see* Silverman, J.A., et al. 17